

CHLORELLA

ADLN - Perpustakaan Unair

SKRIPSI

EFEK PEMBERIAN CHLORELLA DAN PROBIOTIK SEBAGAI SUPLEMEN PAKAN TERHADAP TITER ANTIBODI AYAM PETELUR SETELAH VAKSINASI AVIAN INFLUENZA

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**SUPPLEMENTATION EFFECTS OF CHLORELLA AND
PROBIOTICS TO TITER ANTIBODY LAYING HEN POST
AVIAN INFLUENZA VACCINATION**

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ABSTRACT

The aim of this study was to evaluate effects supplementation of chlorella-probiotic to titer antibody post vaccination against Avian influenza, a trial was conducted using twenty eight Lohman strain layer hens. Experiment was conducted by using completely randomized design factorial pattern with 4 treatments, 7 replicates and 1 hens each replicate. The treatments involved: P₀ basal protein diet with 18% level, P₁ low protein diet with only 14% level, P₂ low protein diet plus 5% probiotics and P₃ low protein diet plus 5% chlorella-probiotics. Vaccination was held one week after treatments and 2 times booster were given each two weeks later, the sera for Hemagglutination Inhibition test (HI test) were collected one week post vaccination. The result was, post vaccination 2 gain the highest titer among the other, treatments indicates P₂ the highest however not significant differences with P₃. And the best titer HI on the end of trial was shown by P₃, again not significant differences with P₂. Immune response of laying hen with probiotics and chlorella was greater among the other.

Keywords : Avian influenza, antibody, chlorella, probiotics, protein